

What is claimed is:

Sub
B1

1. An AV/C transaction data delivery system, comprising in combination:
 at least one transport controller;
 5 an AV/C transport layer in operative communication with said at least one
 transport controller; and
 an AV/C protocol layer in operative communication with said AV/C
 transport layer, said AV/C protocol layer including means for sending AV/C transaction
 data over more than one transport.

Sub
B1

2. The AV/C transaction data delivery system of claim 1 further comprising
 one or more transport instances associated with said at least one transport controller,
 wherein said transport controller includes means for indexing said transport instances.

3. The AV/C transaction data delivery system of claim 2 further comprising a
 transport instance catalog included within said transport layer, said catalog including
 means for receiving transport instance information from said at least one transport
 controller.

4. The AV/C transaction data delivery system of claim 3 further comprising a device-to-transport instance index included within said AV/C protocol layer, said device-to-transport instance index including means for communicating transport instance information from and to said transport layer.

5. A method for establishing transport routing information in an AV/C transaction data delivery system, comprising in combination:

- detecting a transport;
- creating a transport ID associated with said transport;
- notifying a transport layer of said transport ID;
- indexing said transport ID;
- associating said indexed transport ID with a device.

6. The method of claim 5 further comprising associating said transport with a link device.

7. The method of claim 6 further comprising creating a data record for each detected transport and storing the transport ID in association with said transport.

8. The method of claim 7 further comprising notifying said transport layer of said data record.

9. A method for sending AV/C transaction data in an AV/C transaction data delivery system, comprising in combination:

receiving AV/C transaction data for transport;

associating said AV/C transaction data with a transport ID;

providing said AV/C transaction data and transport ID to a transport layer;

associating said transport ID with a transport controller bus ID; and

providing said AV/C transaction data to a transport controller data record associated with said bus ID.

10. The method of claim 9 further comprising executing appropriate routines to transport said AV/C transaction data over the specified transport.

11. A method for receiving AV/C transaction data in an AV/C transaction data delivery system, comprising in combination:

receiving AV/C transaction data by a transport controller and associating said data with a link ID;

converting said link ID to a data record and a bus ID;

providing said bus ID and said data to a transport layer;

associating said bus ID with a transport ID; and

providing said transport layer ID and data to a protocol layer.

12. The method of claim 11 further comprising searching by said transport ID for a matching previously sent transport ID and the command associated therewith.

13. The method of claim 12 further comprising associating said data with a particular subunit device when said transport ID and a retrievable subunit ID match.